Notice of Allowability	Application No.	Applicant(s)	
	09/924,720	FUJIOKA, KOICHI	
	Examiner	Art Unit	
	Russell L. Guill	2123	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *Amendment filed 7/14/2005*.

2. ☒ The allowed claim(s) is/are *1-12*.

3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☒ All b) ☐ Some* c) ☐ None of the:
      1. ☒ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

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DETAILED ACTION

1. This action is in response to the Amendment filed July 14, 2005. Claims 1 - 10 were amended. Claims 11 and 12 were added. Claims 1 - 12 have been examined. Claims 1 - 12 are allowed.

Priority

2. Acknowledgment is made of applicant's claim for foreign priority under 35 U.S.C. 119(a)-(d). The certified copy has been received for Japanese application 2000-245945 dated August 14, 2000.

Response to Arguments

3. As an initial matter, the Examiner would like to respectfully thank the Applicant for providing information that was useful for clarification of the examination process.

4. Applicant's arguments with respect to claims 1 - 10 have been fully considered and are persuasive. The rejections of claims 1 - 10 have been withdrawn.

Allowable Subject Matter

5. Claims 1 - 12 are allowed.

6. The following is an examiner's statement of reasons for allowance:

   a. Regarding claims 1 - 3, while Ferketic in combination with Newton disclose a method for a graphics-based cable management system including cable routing through raceways, trenches and sleeves, neither of these references taken either alone or in combination with the prior art of record disclose the method of designing forms of a cable clamp and cables using a three-dimensional CAD system having all the claimed features of the Applicant's instant invention, specifically including:

      i. Designating one or more cables to be clamped;

ii. Calculating a cross-sectional-area of each designated cable based on attribute data of each cable;

iii. Calculating an area necessary for clamping designated cables based on a result of cross-sectional area calculation;

iv. Designating a cable clamp to be used;

v. Designating control points assigned to a portion of each cable affected by the cable clamp, wherein each control point indicates a reference position in a cable routing;

vi. Adding data of designated control points of each cable to data of control points of each cable which are assigned to each cable in advance to provide cable routing position data;

vii. Generating a complete cable form based on the cable routing position data.

b. Regarding claim 6, while Ferketic in combination with Newton disclose a computer readable medium storing a program for a graphics-based cable management system including cable routing through raceways, trenches and sleeves, neither of these references taken either alone or in combination with the prior art of record disclose the a computer readable medium storing a program for making a three dimensional CAD system execute an operation of designing forms of a cable clamp and cables having all the claimed features of the Applicant's instant invention, specifically including:

i. Calculating a cross-sectional area of each of one or more designated cables to be clamped, based on attribute data of each cable;

ii. Calculating an area necessary for clamping the designated cables based on a result of the cross-sectional area calculation;

iii. Comparing an inner-diameter area corresponding to an inner diameter of a designated cable clamp with the area necessary for clamping the designated area;

iv. Adding data of designated control points of each cable affected by the cable clamp, to data of control points of each cable which are assigned to each cable, in advance, to provide cable routing position data, wherein each control point indicates a reference position in a cable routing;

v. Generating a complete cable form based on the cable routing position data.

c. Regarding claims 7 and 8, while Ferketic in combination with Newton disclose a computer readable medium storing a program for a graphics-based cable management system including cable routing through raceways, trenches and sleeves, neither of these references taken either alone or in combination with the prior art of record disclose the a computer readable medium storing a program for making a three dimensional CAD system execute an operation of designing forms of a cable clamp and cables having all the claimed features of the Applicant's instant invention, specifically including:

i. Calculating a cross-sectional area of each of one or more designated cables to be clamped, based on attribute data of each cable;

ii. Calculating an area necessary for clamping designated cables based on a result of cross-sectional area calculation;

iii. Selecting one or more cable clamps suitable for the area necessary for clamping the cables;

iv. Designating a cable clamp to be used from among the selected cable clamps;

v. Adding data of designated control points of each cable affected by the cable clamp, to data of control points of each cable which are assigned to each cable, in advance, to provide cable routing position data, wherein each control point indicates a reference position in a cable routing;

vi. Generating a complete cable form based on the cable routing position data.

d. It is for these reasons that the Applicant's invention defines over the prior art of record.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Russell L. Guill whose telephone number is 571-272-7955. The examiner can normally be reached on Monday - Friday 9:00 AM - 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Leo Picard can be reached on 571-272-3749. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Any inquiry of a general nature or relating to the status of this application should be directed to the TC2100 Group Receptionist: 571-272-2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Examiner
Art Unit 2123

RG

Paul L. Rodriguez 9/29/05
Primary Examiner
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